

Claims:

1. An electronic device (1), which is a wireless auxiliary device to be used with another electronic device and provided with means for manual entering of a key code, **characterized** in that said means for entering of a code comprise at least one selector which is arranged to select said key code or an element of it, wherein a secure wireless data transmission link is arranged to be set up between said auxiliary device and another communication device, by means of the selected key code.
2. The electronic device according to claim 1, **characterized** in that the key code is a secret key code or a security code, such as a PIN code.
3. The electronic device according to claim 1, **characterized** in that the selector is rotatable, comprising a roll-like, wheel-like or disc-like part which is arranged to rotate around an axis of rotation which is substantially perpendicular or substantially parallel to the auxiliary device.
4. The electronic device according to claim 1, **characterized** in that the auxiliary device comprises one, and only one, selector which is arranged for entering a key code consisting of at least two elements, such as numbers.
5. The electronic device according to claim 1, **characterized** in that the key code consisting of at least two elements, such as numbers, is arranged to be entered by successive selection sequences, wherein each selection sequence corresponds to one said element.
6. The electronic device according to claim 1, **characterized** in that to accept the already selected key code or its selected element, said selector is arranged to be pressed or said auxiliary device is provided with a control button (3).
7. The electronic device according to claim 1, **characterized** in that the auxiliary device further comprises means to detect the selected key

code and to store it in the memory (10) of the auxiliary device, the means comprising a position detector which is arranged to read the key code selected by the selector, and a processor controlling the operation, for processing and storing the key code in the memory.

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8. The electronic device according to claim 1, **characterized** in that the auxiliary is a wireless portable hands-free set or a wireless smart card reader.

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9. The electronic device according to claim 5, **characterized** in that said selection sequence is composed of at least one predefined position of the selector, or at least one predefined motion of the selector, or a combination of said position and said motion.

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10. The electronic device according to claim 9, **characterized** in that data transmission between said auxiliary device and said another electronic device is arranged to be performed by using a wireless communication method, such as Bluetooth, WLAN or IrDA.

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11. A method for entering a key code into an electronic device operating as an auxiliary device of another electronic device and provided with means for manual entering of the key code, **characterized** in that in the method said key code is selected by using at least one selector, which is arranged for the selection of said key code or its part, wherein a secure wireless data transmission link is set up between the auxiliary device and said another electronic device by means of the selected key code.

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12. The method according to claim 11, **characterized** in that the key code is selected by rotating each rotatable selector in a predetermined position corresponding to the key code.

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13. The method according to claim 11, **characterized** in that the key code is selected by rotating one, and only one, rotatable selector (2) in predetermined successive positions corresponding to the key code.

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14. The method according to claim 13, **characterized** in that the selector is rotated a predetermined number of revolutions between the different positions.

5 15. The method according to claim 11, **characterized** in that the key code is selected by rotating one, and only one, rotatable selector into predetermined successive positions corresponding to the key code in such a way that the direction of rotation is always changed to the opposite between the different positions.

10 16. The method according to claim 11, **characterized** in that when the key code comprises a number, the key code is selected by rotating the rotatable selector a number of revolutions corresponding to said number in the same direction.

15 17. The method according to claim 11, **characterized** in that when the key code comprises at least two numbers, the key code is selected by rotating one, and only one, rotatable selector the number of revolutions corresponding to the number in the same direction, and by changing the direction of rotation to the opposite between successive numbers.

20 18. The method according to claim 11, **characterized** in that the already selected key code or its selected part is accepted by changing the direction of rotation of the rotated selector or by pressing said selector or by pressing a control button (3) provided in the auxiliary device.

25 19. A wireless device and an auxiliary device, which operates in a wireless manner and is provided with means for manual entering of a key code, **characterized** in that said means for entering a code comprise at least one selector arranged to select said key code or an element of it, wherein a secure wireless data transmission link is arranged to be set up between said auxiliary device and said wireless device, by using the selected key code.

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20. The wireless device and the auxiliary device according to claim 19, **characterized** in that the auxiliary device is a wireless portable hands-free set or a wireless smart card reader.